



## Boiler alert: You can predict more and react less with Ackumen™ Boiler Management.

**You know the story.** Boiler operators are constantly battling issues that plague their boiler system processes. Scaling and corrosion. Pretreatment and boiler inefficiencies. High fuel, chemical, and repair costs. Decreased equipment life. And unscheduled downtime. But did you know that you can predict and minimize those problems? At every stage—from pretreatment to boiler to condensate?

### **What if you could be confident you're getting optimal**

- Performance from your softener, and insights into that performance
- Regeneration from your softener tank, based on 24/7 monitoring
- Results from your deaeration system
- Monitoring of your stack gas temperature
- Treatment of condensate before it goes to the feedwater

**You can.** With Ackumen Boiler Management.

# Get insights at every turn.

## PRETREATMENT:

### Water softener

If it's not working right, you'll learn why and what you need to adjust it. You'll address the potential for a scale problem before it makes it to the boiler, and reduce the likelihood of heat transfer inefficiency and avoidable stress on boiler equipment.

### Softener regeneration

You'll get feedback on every softener regeneration to increase the likelihood your system is brining correctly. Contrast that with the manual alternative, an

elution study, usually done once or twice a year. By ensuring regeneration is good, you'll reduce the risk of scaling before it becomes an issue and potentially prevent unnecessary damage to your equipment.

### Deaerator operation

You'll make sure your system is optimally and effectively removing residual oxygen. You'll reduce boiler corrosion, increase system efficiency, and decrease the risk of system failure. And you can't get this service from anybody else in the industry.

## BOILER:

### Stack gas temperatures

You'll understand if you're burning fuel efficiently. And if not, you can make adjustments and reduce the potential for scaling that leads to boiler inefficiencies. You'll also get 24/7 monitoring which increases the certainty that the right chemistry is being used when boilers are idle or offline.

### Enhanced boiler control

You'll be able to control boiler water chemistry 24/7/365, including integrating blowdown control, using advanced technology, trained water treaters and state-of-the-art digital platform.

## CONDENSATE:

### Corrosion in the condensate

You'll reduce corrosion that results from condensate that's too acidic. You'll protect pipes, and reduce energy inefficiencies and excessive feedwater usage.

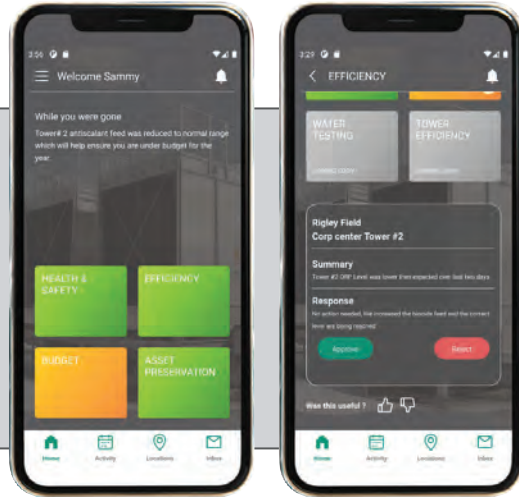


# What else can Ackumen do for you?

## There's more to that story.

### Get insights to help you succeed.

The Ackumen™ platform uses cloud-based data to deliver important insights right to your mobile device or desktop. You'll get easy-to-read, actionable system graphics that show you how process indicators are behaving. You'll also get alarms and notifications. And with just a glance, you'll know whether an action is recommended now or later.



### Relax with support from the experts.

The Insights Lab provides 24/7 monitoring by a team of data scientists and engineers. They deal with events as they happen. Assess every alarm. Eliminate false ones. And let you know if any action is recommended.

### Manage chemistry better.

SMART Inventory is our automatic inventory control system. It uses IoT sensors to monitor chemical supply in any container. You'll get 24/7 inventory insights delivered directly to your mobile device. You'll also get usage-based alerts. One-click ordering. And more. Managing your chemistry has never been more efficient.



## Let Ackumen Boiler Management help make you the hero.

Simplify how you manage your low-pressure boiler system and be more proactive than reactive. You'll increase process efficiencies from start to end.

Protect equipment. Cut costs. And create a safer working environment. To learn more, connect with your water management representative.

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